

# CERTIFICATE OF ANALYSIS

(Certificate No. KMQ001002-01)

Release Date: 08/02/2024

Re-test Date: 07/02/2027

## Quetiapine Desethoxy Impurity

### Identification

**Chemical Name :**  
2-(4-(dibenzo[b,f][1,4]thiazepin-11-yl)piperazin-1-yl)ethanol

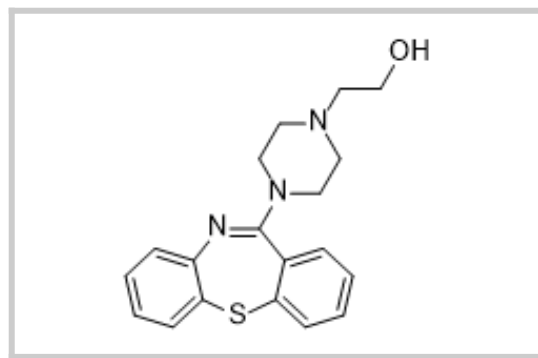
**Alt. Name** : Quetiapine EP Impurity I

**CAT No.** : KMQ001002

**CAS No.** : 329216-67-3

**Molecular Formula** : C<sub>19</sub>H<sub>21</sub>N<sub>3</sub>O<sub>2</sub>S

**Molecular Weight** : 339.45



### Analytical Information

**Batch No.** : QUE-DESE-073-069

**Description** : Light Yellow Solid

**HPLC Purity** : 99.73 %

**Weight Loss By TGA** : 0.48 %

**% Potency** : 99.25 %

**Solubility** : ACN

**Mass** : Confirm

**IR** : Confirm

**<sup>1</sup>H NMR** : Confirm

### Additional Information

**Long Term Storage** : Store at 2-8 deg. C for long term storage

**Shipping Condition** : Product is stable to be shipped at room temperature

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		
Reviewed & Approved By	Quality Control	Jatin Patel		

**Attachments** : COA, HPLC, MASS, <sup>1</sup>HNMR, IR and TGA